

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A ~~[[F]]~~ fire protection gate, ~~comprising: featuring a normative fire resistance category or similar classification, with an encompassing structure and~~

~~bilateral steel plate shells, with between which a temperature resistant fire protection inset located between said bilateral steel plate shells; is integrated to observe demands of the normative fire resistance categories or similar classifications, formed~~

~~at least one from an insulating element in the form of a plate, said at least one insulating element comprised formed of mineral fibers soluble in a physiological milieu and at least one reinforced by a binding agent, characterized in that the composition of said mineral fibers of said at least one insulating element having features an alkali/earth alkali mass ratio relation of < 1 and the fiber structure of said at least one insulating element is determined by an average geometrical fiber diameter $\leq 4 \mu\text{m}$ [[.]]; and~~

~~wherein a portion of the binding agent, relative to a the mass of the fiber content of the insulating element is in the range of 1[[–]] to 3 weight % and has a gross density in the range of 60 to 130 kg/m³[[.]].~~

~~whereby the gross density at a fire resistance category T30 or similar features 60 to 80 kg/m³, preferably 70 kg/m³, at a fire resistance category T60 or similar, it features 80 to 110 kg/m³, preferably 100 kg/m³, and at a fire resistance category of T90 or similar, it features 110 to 130 kg/m³, preferably 120 kg/m³.~~

2. (Currently Amended) The ~~[[F]]~~ fire protection gate according to claim 1, ~~characterized in that wherein said binding agent is an organic binding agent, such as phenol-formaldehyde resin.~~

3. (Currently Amended) The ~~[[F]]~~ fire protection gate according to claim 1 ~~[[or 2]]~~, characterized in that the ~~wherein~~ a portion of ~~said~~ binding agent, relative to ~~the~~ a-fiber mass of said at least one insulating element, is within the range of 1 to 2% by weight weight-%.

4. (Currently Amended) ~~The [[F]]~~ fire protection gate according to ~~one of the preceding claims claim 1, characterized in that wherein~~ said at least one insulating element has features a point of fusion according to DIN 4102, Part 17, of \geq ~~[[1.000]]~~ 1,000 °C.

5. (Currently Amended) ~~The [[F]]~~ fire protection gate according to ~~one of the preceding claims claim 1, characterized in that wherein~~ said mineral fibers of ~~said at least one~~ the insulating element are produced by internal centrifugation ~~pursuant to the centrifuging basket procedure,~~ with a centrifuging basket temperature of at least ~~[[1.100]]~~ 1,000 °C.

6. (Currently Amended) ~~The [[F]]~~ fire protection gate according to ~~one of the preceding claims claim 1, characterized in that wherein~~ the resetting force, measured as pressure tension at 10% sprain according to DIN EN 826 of ~~said at least one~~ the insulating element, integrated in ~~said the~~ fire protection gate meets at least one of the following[[,]]:

at a fire resistance category T30, ~~or similar~~ amounts to < 4 kPa[[,]];

at a fire resistance category of T60, ~~or similar~~, [[it]] amounts to < 6 kPa[[,]];and

at a fire resistance category of T90, ~~or similar~~, [[it]] amounts to < 8 kPa.

7. (Currently Amended) ~~The [[F]]~~ fire protection gate according to ~~one of the preceding claims claim 1, characterized in that wherein~~ said at least one insulating element features a dehydrating substance under thermal influence[[,]] ~~preferably aluminum hydroxide~~.

8. (Currently Amended) ~~The [[F]]~~ fire protection gate according to claim 7[[8]], ~~characterized in that wherein~~ said dehydrating substance is integrated in at least a discrete layer between said mineral fibers of ~~said at least one~~ the insulating element, ~~and the discrete layer is preferably plane, being in a plane aligned parallel to both a main surface~~[[s]] of said insulating element.

9. (Currently Amended) The ~~[[F]]~~ fire protection gate according to claim 8, ~~characterized in that wherein~~ said dehydrating substance is provided homogeneously in said at least one the insulating element.

10. (Currently Amended) The ~~[[F]]~~ fire protection gate according to ~~one of the preceding claims claim 1, characterized in that wherein~~ said mineral fibers of said at least one the insulating element, with a view to their solubility in a physiological milieu, meet at least one of:

the requirements of the European Guideline 96/69/EG; and ~~[[or]]~~

the requirements of the German Norm for Dangerous Products, Section IV, Number ~~[[No.]]~~

22.

11. (Currently Amended) The ~~[[F]]~~ fire protection gate according to claim ~~[[11]]~~ 10, ~~wherein said~~ characterized by the following chemical composition ranges of the mineral fiber ~~[[s]]~~ content of said at least one insulating element is within the following ranges in weight % by weight:

SiO ₂	39 – 55
Al ₂ O ₃	16 – 27
CaO	6 – 20
MgO	1 - 5
Na ₂ O	0 - 15
K ₂ O	0 - 15
R ₂ O (Na ₂ O + K ₂ O)	10- [[14,7]] <u>14.7</u>
P ₂ O ₅	0 - 3
Fe ₂ O ₃ (iron altogether)	[[1,5]] <u>1.5</u> - 15
B ₂ O ₃	0 - 2
TiO ₂	0 - 2
Other	0 – <u>[[2,0]]</u> 2.0

12. (Currently Amended) ~~The [[F]]~~ fire protection gate according to ~~one of the preceding~~ claims claim 1, ~~characterized in that wherein said at least one~~ the insulation element has features a bead portion of $\leq 1\%$.

13. (Cancelled)

14. (New) The fire protection gate according to claim 2, wherein said organic binding agent is phenol formaldehyde resin.

15. (New) The fire protection gate according to claim 1, wherein said at least one insulating element has a gross density at a fire resistance category T30 of between about 60 to 80 kg/m³.

16. (New) The fire protection gate according to claim 1, wherein said at least one insulating element has a gross density at a fire resistance category T60 of between about 80 to 110 kg/m³.

17. (New) The fire protection gate according to claim 1, wherein said at least one insulating element has a gross density at a fire resistance category T90 of between about 110 to 130 kg/m³.

18. (New) The fire protection gate according to claim 7, wherein said dehydrating substance comprises aluminum hydroxide.

19. (New) The fire protection gate according to claim 11, wherein said fiber content of said at least one insulating element is within the following ranges % by weight:

SiO ₂	39 – 52
Al ₂ O ₃	16 - 26
CaO	8 - 18
MgO	1 – [[4,9]] <u>4.9</u>
Na ₂ O	2 - 12
K ₂ O	2 - 12
R ₂ O (Na ₂ O + K ₂ O)	10 – [[13,5]] <u>13.5</u>
P ₂ O ₅	0 - 2
Fe ₂ O ₃ (iron altogether)	[[3,2]] <u>3.2</u> - 8
B ₂ O ₃	0 - 1
TiO ₂	[[0,4]] <u>0.4</u> - 1